

Date: Thursday, 11/9/2006 4:37:32 PM  
User: Kim Johnston

## Process Sheet

Start  
8/3 07/01/15

Customer : CU-DAR001 Dart Helicopters Services Drawing Name : BRACKET ASSEMBLY  
Job Number : 29391  
Estimate Number : 11029  
P.O. Number : *N/A* Part Number : D2803041  
This Issue : 11/9/2006 S.O. No. : *N/A* Drawing Number : D2803 REV B  
Prsht Rev. : NC Project Number : N/A  
First Issue : *N/A* Type : PURCHASED PARTS Drawing Revision : B  
Previous Run : 29155 Material : *N/A*  
Written By : Due Date : 11/27/2006 Qty: 15 Um: Each  
Checked & Approved By : *06/11/10*  
Comment : EST F 05.03.30 MS21043-3 was MS21042L3 KJ/JLM

## Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 D28031 STA 84 Bracket



Comment: Qty.: 1.0000 Each(s)/Unit Total : 15.0000 Each(s)

STA 84 BRACKET

Pick:

Qty	Part Number	Description	Batch
1	D2803-1	Bracket	<i>B29403</i>

*SEE W/D CHANGE  
OVER →  
P67.d.19*



2.0 D28051 Stop



Comment: Qty.: 1.0000 Each(s)/Unit Total : 15.0000 Each(s)

STOP

Pick:

Qty	Part Number	Description	Batch
1	D2805-1	Stop	<i>B308A x 8 mx.</i>

*1-B29405 x 6 mx.*

3.0 D2809 Bushing



Comment: Qty.: 1.0000 Each(s)/Unit Total : 15.0000 Each(s)

Bushing

Pick:

Qty	Part Number	Description	Batch
1	D2809	Bushing	<i>B30749</i>

Press D2805-1 into arm as per Dwg D2803

*mf 07-07-17 (14)*

4.0 QC5 INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

*Inspect level 5  
En 07/07/17 (x14) PPO*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
07.01.19	1 & 2	USE B/N 29403 FROM QUARANTINE. PRESS FIT D2805-1 STEP IN QTY(1) BRACKET ONLY. GET ENGINEERING DISPOSITION BEFORE CONTINUING	SP 07/01/19	07/07/16	(+1)	07.01.19 07/07/16	07/07/16
02.07.17	4	permanent change				07.07.17	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Date: Thursday, 11/9/2006 4:37:32 PM  
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## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BRACKET ASSEMBLY

Job Number: 29391

Part Number: D2803041

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

POWDER COATING

POWDER COATING



M 101575

Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

BK/M-107-07-17

(14)

6.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

SAN 04/07/18

(14)

7.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Press D2809 into arm as per Dwg D2803

SAN 07/07/18

(14)

8.0

AN3C16A

Bolt



Comment: Qty.: 2.0000 Each(s)/Unit Total : 30.0000 Each(s)

Bolt

Pick:

Qty	Part Number	Description	Batch
2	AN3C16A	Bolt	M101760 (25)

M101760 (25)

M101884 (3)

9.0

MS210433

Nut



Comment: Qty.: 2.0000 Each(s)/Unit Total : 30.0000 Each(s)

Nut

Pick:

Qty	Part Number	Description	Batch
2	MS21043-3	Nut	M104679

M104679

10.0

NAS1515H3

Washer



Comment: Qty.: 4.0000 Each(s)/Unit Total : 60.0000 Each(s)

Washer

Pick:

Qty	Part Number	Description	Batch
4	NAS1515H3	Washer	100993

100993

A/R LPS-3

Corrosion Spray

M104929

Spray LPS-3 on Bolt Shaft, not on thread as per Dwg D2803

SAN 07/07/18

(14)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☐ No ☒ DQA: PD Date: 07/07/23  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 11/9/2006 4:37:32 PM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BRACKET ASSEMBLY

Job Number: 29391

Part Number: D2803041

Job Number:



Seq. #:

Machine Or Operation:

Description :

11.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1  
Assemble as per Dwg D2803.

SAD 07/07/18 (14)

12.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

En 07/07/18 (14)

13.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1  
Identify and Stock  
Location: \_\_\_\_\_

7/7/19 SP (14)

14.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

07.07.2019

Job Completion



EL 07-07-19

POSITIVE RECALL

EFFECTIVE 07.01.19 AUTH GP

RELEASED 07.07.16 DATE GP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

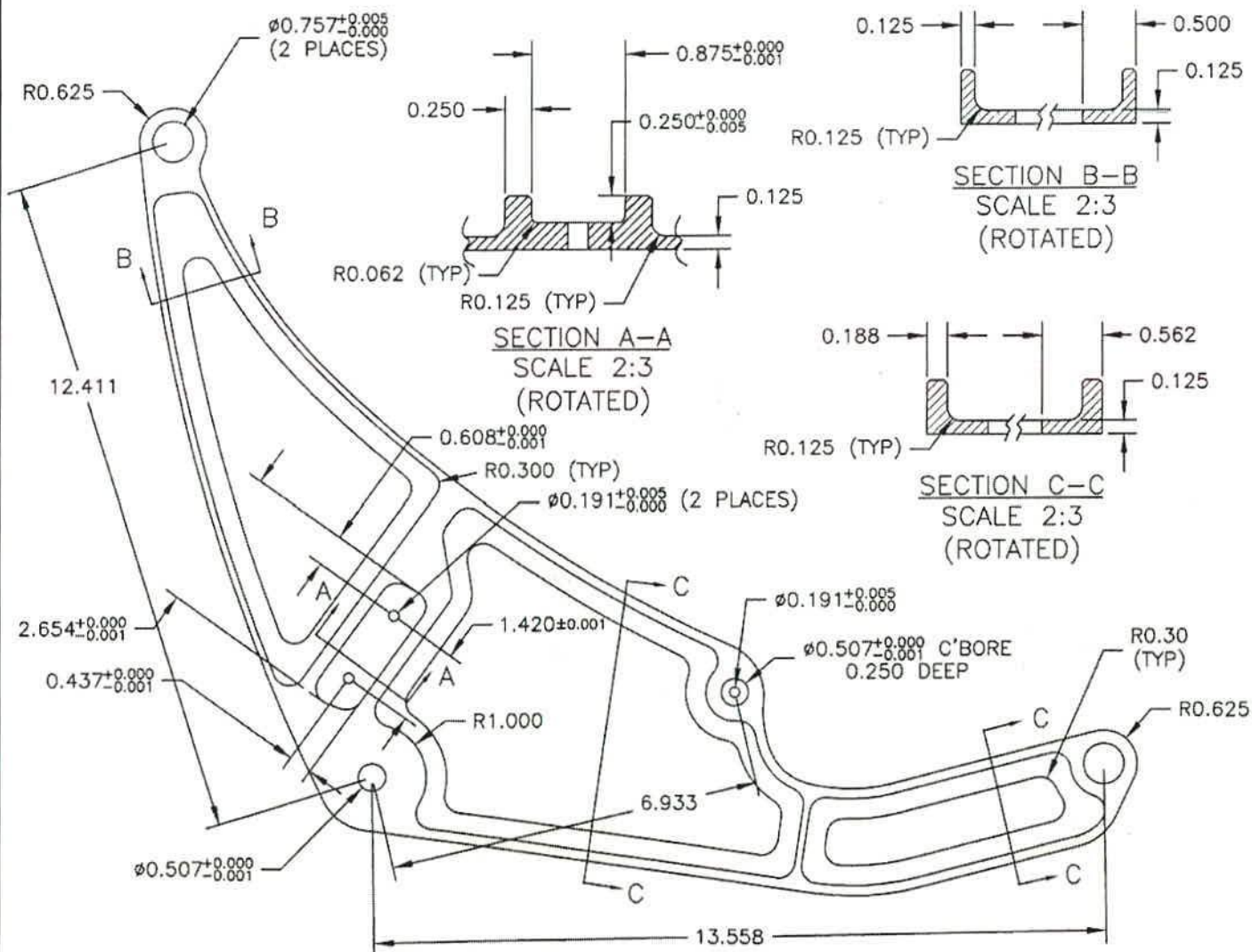


**DART**

DESIGN	CP	DRAWN BY	CP	DART AEROSPACE LTD	REV. B
				HAWKESBURY, ONTARIO, CANADA	
CHECKED		APPROVED		DRAWING NO.	SHEET 1 OF 2
				D2803	
DATE	04.11.22			TITLE	SCALE
				STA 84 BRACKET	1:3
A	00.11.07			NEW ISSUE	
B	04.11.22			ADD CUTOUTS & -043/-044	

RELEASED

05-03 11

**D2803-1 BRACKET (SHOWN). D2803-2 BRACKET (OPPOSITE)**



- 1) MACHINE PER DRAWING FILE "D2803.SLDPRT"
- 2) MATERIAL: 6061-T6 (QQ-A-200/8) OR (QQ-A-250/11) 0.500 THICK
- 3) DEBURR TO LEAVE R0.030 - 0.063 ON ALL EDGES
- 4) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

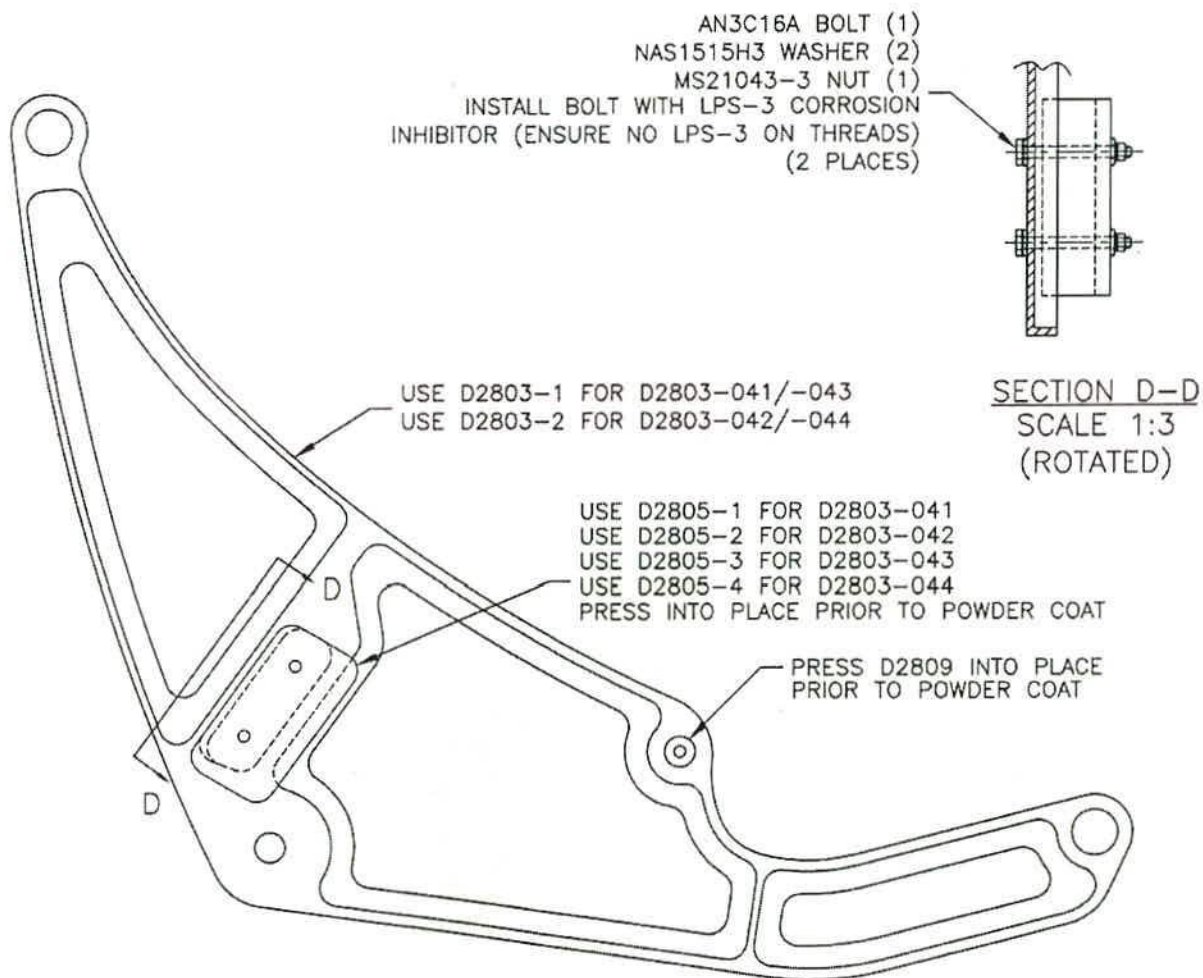
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WITHOUT NOTICE  
WORK ORDER  
NO. 29391

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**DART**

DESIGN CP	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. D2803	REV. B SHEET 2 OF 2
DATE 04.11.22		TITLE STA 84 BRACKET	SCALE 1:3

**RELEASED**

05-03.11

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WITHOUT NOTICE  
WORK ORDER  
NO. 29391

D2803-041/-043 BRACKET ASS'Y (SHOWN).  
D2803-042/-044 BRACKET ASS'Y (OPPOSITE)

6) FINISH: POWDER COAT ASSEMBLY GLOSS WHITE (4.3.5.1) OR GREY SANDTEX (4.3.5.6)  
OR BLACK SANDTEX (4.3.5.7) OR GREEN SANDTEX (4.3.5.8) PER DART QSI 005 4.3

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## Chris Provencal

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**From:** David Shepherd [dshepherd@dartaero.com]  
**Sent:** January 19, 2007 11:02 AM  
**To:** 'Chris Provencal'  
**Subject:** RE: D2803 Bracket

Yes. Proceed as you have outlined below.

David

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**From:** Chris Provencal [mailto:cprovencal@dartaero.com]  
**Sent:** Thursday, January 18, 2007 2:04 PM  
**To:** David Shepherd (David Shepherd)  
**Subject:** D2803 Bracket

D2803 bracket for the folding steps:

The pockets for the stop should be 0.875+0.000/-0.001 wide to fit a 0.875+0.001/-0.000 wide D2805 stop.

The pockets now (qty 13) are 0.872, so there would be an extra 0.002 of press fit. They said they should be able to re-machine, but they aren't too keen on doing so (mainly from the time it would take). I suspect there's also a danger of scrapping them if they mess something up in the re-machine.

I am thinking that we could try press fitting them regardless (we'd try just one first!). We'd have to make sure the holes still allow the AN3 bolts to pass through. Would you accept this deviation if the press fit is acceptable?

-Chris

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No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.1.410 / Virus Database: 268.16.14/637 - Release Date: 1/18/2007

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Version: 7.1.410 / Virus Database: 268.16.14/637 - Release Date: 1/18/2007

19/01/2007